

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120619\
 Data File : VD064449.D
 Acq On : 06 Dec 2019 10:21
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/9/2019 2:03:42 PM

Quant Time: Dec 07 00:16:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	530792	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	770945	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	679839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	332079	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	226296	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	
35) Dibromofluoromethane	7.91	113	232586	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
50) Toluene-d8	10.34	98	879592	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
62) 4-Bromofluorobenzene	12.64	95	275728	46.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	237660	49.415	ug/l	100
3) Chloromethane	2.21	50	290971	47.967	ug/l	98
4) Vinyl Chloride	2.36	62	349936	49.963	ug/l	99
5) Bromomethane	2.77	94	231436	44.683	ug/l	95
6) Chloroethane	2.93	64	230094	49.150	ug/l	97
7) Trichlorofluoromethane	3.27	101	599271	51.468	ug/l	99
8) Diethyl Ether	3.71	74	118109	48.815	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	253372	50.752	ug/l	100
10) Methyl Iodide	4.30	142	291105	55.216	ug/l	99
11) Tert butyl alcohol	5.25	59	63253	206.826	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	243439	50.883	ug/l	96
13) Acrolein	3.93	56	91379	219.059	ug/l	96
14) Allyl chloride	4.71	41	384526	51.500	ug/l	100
15) Acrylonitrile	5.43	53	248024	234.419	ug/l	98
16) Acetone	4.16	43	285641	294.208	ug/l	99
17) Carbon Disulfide	4.40	76	777895	51.337	ug/l	98
18) Methyl Acetate	4.73	43	134257	47.407	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	538341	49.054	ug/l	95
20) Methylene Chloride	4.97	84	254741	51.799	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	273963	50.624	ug/l	98
22) Diisopropyl ether	6.37	45	741535	50.308	ug/l	97
23) Vinyl Acetate	6.31	43	2171372	249.881	ug/l	100
24) 1,1-Dichloroethane	6.27	63	451300	50.912	ug/l	99
25) 2-Butanone	7.22	43	333635	242.992	ug/l	97
26) 2,2-Dichloropropane	7.21	77	418689	54.312	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	297984	50.505	ug/l	99
28) Bromochloromethane	7.54	49	151922	50.149	ug/l	99
29) Tetrahydrofuran	7.57	42	200117	229.084	ug/l	99
30) Chloroform	7.71	83	468351	51.017	ug/l	100
31) Cyclohexane	7.98	56	427951	55.832	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	439853	51.679	ug/l	99
36) 1,1-Dichloropropene	8.11	75	375562	51.503	ug/l	99
37) Ethyl Acetate	7.30	43	143926	46.515	ug/l	98
38) Carbon Tetrachloride	8.10	117	413124	53.679	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	469865	51.945	ug/l	99
40) Benzene	8.35	78	1038368	51.269	ug/l	99
41) Methacrylonitrile	7.53	41	88328	49.777	ug/l	95
42) 1,2-Dichloroethane	8.43	62	289507	49.016	ug/l	100
43) Isopropyl Acetate	8.46	43	291847	47.972	ug/l	99
44) Trichloroethene	9.11	130	305315	50.045	ug/l	96
45) 1,2-Dichloropropane	9.39	63	248340	51.271	ug/l	97
46) Dibromomethane	9.47	93	136102	49.785	ug/l	99
47) Bromodichloromethane	9.66	83	356249	50.716	ug/l	99
48) Methyl methacrylate	9.46	41	136312	48.965	ug/l	95
49) 1,4-Dioxane	9.46	88	29903	885.800	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	711152	236.249	ug/l	100
52) Toluene	10.40	92	666080	50.464	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	342402	51.147	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	410826	51.658	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	181549	48.499	ug/l	98
56) Ethyl methacrylate	10.66	69	232868	48.774	ug/l	99
57) 1,3-Dichloropropane	10.95	76	314811	49.404	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	417643	219.436	ug/l	99
59) 2-Hexanone	10.98	43	513078	245.641	ug/l	99
60) Dibromochloromethane	11.14	129	247789	48.822	ug/l	98
61) 1,2-Dibromoethane	11.25	107	177913	47.602	ug/l	99
64) Tetrachloroethene	10.87	164	266442	51.394	ug/l	97
65) Chlorobenzene	11.67	112	707545	49.900	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	272221	51.862	ug/l	98
67) Ethyl Benzene	11.75	91	1280133	50.742	ug/l	99
68) m/p-Xylenes	11.86	106	987093	102.617	ug/l	99
69) o-Xylene	12.18	106	447522	50.375	ug/l	97
70) Styrene	12.20	104	785282	50.867	ug/l	99
71) Bromoform	12.37	173	148462	47.275	ug/l #	99
73) Isopropylbenzene	12.48	105	1248468	52.273	ug/l	100
74) N-amyl acetate	12.29	43	262093	48.351	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	183856	46.551	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	136485m	49.978	ug/l	
77) Bromobenzene	12.77	156	302444	51.280	ug/l	97
78) n-propylbenzene	12.83	91	1440462	52.272	ug/l	100
79) 2-Chlorotoluene	12.91	91	765330	50.473	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1009277	51.712	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	61810	49.353	ug/l	99
82) 4-Chlorotoluene	13.01	91	812842	50.630	ug/l	100
83) tert-Butylbenzene	13.23	119	892540	52.601	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1012324	51.582	ug/l	99
85) sec-Butylbenzene	13.41	105	1206952	51.827	ug/l	99
86) p-Isopropyltoluene	13.52	119	1145677	52.109	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	565457	50.513	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	553493	50.081	ug/l	99
89) n-Butylbenzene	13.85	91	1061076	53.144	ug/l	99
90) Hexachloroethane	14.12	117	219128	53.287	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	479973	50.171	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	30043	50.995	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	365546	49.893	ug/l	100
94) Hexachlorobutadiene	15.28	225	233346	51.591	ug/l	99
95) Naphthalene	15.41	128	575490	47.066	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	309317	49.458	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

